BRUHAT BANGALORE MAHANAGARA PALIKE

East Zone, Bangalore

MEASUREMENT SHEET

POST MEASUREMENT

Name of Work:	Remodelling of secondary drain on 3rd cross Bhadrappa layout in ward no. 8, kodigehalli
Estimated Cost:	Rs. 40.00 Lakhs
Job Code / Indent No	008-23-000002
Head of Account:	P-3726 Zonal public works
Name of Agency:	U. Ramesh
PMC:	
Amount put to Tender:	Rs. 33,86,136.96
Amount Tender Price:	Rs. 35,55,038.06
Percentage:	+ 4.98 Above
Ref:	BBMP/EE/BTP/WO/68/2022-23 dated 10.11.2022
Period of Completion:	90 days

Post-Measurements Recorded on: 28-12-2022

Sl. No.	Description	Unit	No	L (m)	B1 (m)	B2 (m)	D/H (m)	Qty.	Quoted rate	Amount
1	Dismantling of flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately - manual means - Bituminous course									
	Quantity vide Pre measurement recorded in E-MB in page No. 1									
		Cum					Total	18.81		
		Cum					Lim to	17.35	1116.77	19375.95
2	Dismantling of flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately - manual means - Granular course									
	Quantity vide Pre measurement recorded in E-MB in page No. 1									
		Cum					Total	90.28		
		Cum					Lim to	88.71	787.63	69870.65
4	Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of machinery, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary disposal of unserviceable materials and stacking the serviceable materials with all leads and lifts - CC M20 grade									
	Quantity vide Pre measurement recorded in E-MB in page No. 02									
		Cum					Total	62.47		
		Cum					Lim to	62.43	2140.01	133600.82
3	Earthwork excavation by manual means of drains, canals, water weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soil, as per drawings and technical specifications including sorting out shuttering, barricading, caution lights, removal of stumps and other deleterious material, executed surface levelled and side neatly dressed the excavated stuff or sorting and stacking them for resuse in the radius of 50m with all leads and lifts etc., to complete the work.									
	Quantity vide Pre measurement recorded in E-MB in page No. 02									

U Ramesh
Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engine
Kodigehalli Sub Division

Sl. No.	Description	Unit	No	L (m)	B1 (m)	B2 (m)	D/H (m)	Qty.	Quoted rate	Amount
		Cum					Total	418.59		
		Cum					Lim to	397.37	214.80	85355.07
14	Loading and unloading of stone boulders/stone aggregates / sand/kankar/moorum									
	Quantity vide Pre measurement recorded in E-MB in page No. 02									
		Cum					Total	565.86		
		Cum					Lim to	565.86	85.46	48358.39
15	Cost of haulage excluding loading and unloading taking output 18t and lead of 10km									
	Quantity vide Pre measurement recorded in E-MB in page No. 02									
							Total	724.30		
							Lim to	724.30	121.26	87828.61
6	Providing coursed rubble masonry (first sort) with hard stones in foundation and plinth with mortar 1:6									
	Quantity vide Pre measurement recorded in E-MB in page No. 03									
							Total	59.40		
							Lim to	54.81	6480.08	355173.18
5	Providing and laying in position reinforced cement concrete for all sub structures of all buildings, irrigation work, sub structure works of bridges and other parallel work from 0.5m to 3.5m height. The granite /tarp/basalt crushed graded core aggregates and fine aggregates as per relevant IS codes, machine mixed with super plasticiser, laid in walls, well compacted using needle vibrator, providing weep holes where very necessary including all leads and lifts cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, usage charges of machinery, curing, and all other appurtenances, required to complete the work as per technical speciation's									
	Quantity vide Pre measurement recorded in E-MB in page No. 03									
		Sqm					Total	31.68		
							Lim to	30.45	6843.87	208395.84
7	Removing and resetting of footpath slab / removing and refixing 225 mm thick slabs									
	Quantity vide Pre measurement recorded in E-MB in page No. 3									
		Sqm					Total	27.00		
							Lim to	27.00	246.72	6661.44
9	Removing and refixing slabs									
	Quantity vide Pre measurement recorded in E-MB in page No. 3									
		Sqm					Total	2.85		
							Lim to	2.57	246.72	634.07
11	Providing laying spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver, grider in sub base / base course and well prepared, compacting with vibratory roller to prescribed density									
2	for patching work both sides	sqm	6	30.00	0.16	0.16	0.23	13.24		

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Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl. No.	Description	Unit	No	L (m)	B1 (m)	B2 (m)	D/H (m)	Qty.	Quoted rate	Amount
2		sqm	1	18.00	0.16	0.16	0.23	1.32		
		sqm					Total	14.56		
							Lim to	14.00	2764.80	38707.20
8	Providing and fixing pre cast covering slab 250 mm thick made out of RCC 1:2:4 and jelly 20mm downsize with steel reinforcement including homework, cutting, curing including cost of all materials, labour, hire charges of machinery, loading , unloading, lead and lift, transportation complete as directed by the Engineer in charge of the work.									
	For coping above rcc wall	sqm	309	0.60	1.50	1.50		278.10		
							Total	278.10		
							Lim to	277.50	5688.35	1578517.12
10	Providing and fixing precast covering slab made out of CC 1:2:4 with 10cm thick and finishing cutting, including formwork, curing including cost of all materials, labour hire charges of machinery loading unloading lead and lift transportation etc., complete									
	Quantity vide Pre measurement recorded in E-MB in page No. 123									
		Sqm	1	0.60	0.75		Total	0.45		
							Lim to	0.28	2017.90	565.01
13	Providing and fixing steel work in built up tabular, (round, square, rectangular hollow tubes), trusses etc., including cutting, hoisting, fixing in position and applying primary coat of primer including welding and bolted with special shaped washer set etc., complete. Electric resistance, conduction butt welded tubes including cost of materials, labour usage, as per specification and as per direction of Engineer in charge of the work.									
	All along swd	kg	15	@	467.89			467.89		
							Total	7018.35		
							Lim to	7018.35	127.03	891541.00
	Sub Total Rs									**3524584.35**

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